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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/630,508 07/29/2003		Carl A. Priddy	03-709	7905	
20306 75	590 10/03/2006		EXAMINER		
MCDONNEL	L BOEHNEN HULBER	DANG, DUY M			
300 S. WACKE	ER DRIVE		ART UNIT	PAPER NUMBER	
32ND FLOOR					
CHICAGO, IL	60606	•	2624		
			DATE MAILED: 10/03/200	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Applicati	on No.	Applicant(s) PRIDDY, CARL A.					
		10/630,5)8						
		Examine		Art Unit					
		Duy M. Da	ang	2624					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SH WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR A CHEVER IS LONGER, FROM THE MAILING IS IN 1997.	NG DATE OF TH CFR 1.136(a). In no ev tion. period will apply and w y statute, cause the app	HIS COMMUNICATION ent, however, may a reply be tir ill expire SIX (6) MONTHS from dication to become ABANDONE	N. mely filed the mailing date of this con ED (35 U.S.C. § 133).	,				
Status									
2a)□	Responsive to communication(s) filed on This action is FINAL . 2b) Since this application is in condition for a closed in accordance with the practice up	This action is nationallowance except	for formal matters, pro		merits is				
Dispositi	on of Claims								
5)□ 6)⊠ 7)□	Claim(s) 1-13 is/are pending in the application of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) 1-13 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction	ithdrawn from co							
Applicati	on Papers								
10)	The specification is objected to by the Ext The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the of The oath or declaration is objected to by	accepted or b) to the drawing(s) t correction is requir	be held in abeyance. Se ed if the drawing(s) is ob	e 37 CFR 1.85(a). Djected to. See 37 CFF	• •				
Priority u	inder 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) 🔲 Notic 3) 🔯 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-9- nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date 12/29/03 + 11/26/04.	48)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate					

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DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-13 are rejected under 35 U.S.C. 102(b) as being anticipated by the User's Guide to Math Works provided by Applicant's IDS filed on November 26, 2004 (referred as the Guide).

Regarding claim 1, the Guide teaches a method for creating a mask isolating a region of interest in an image and deleting information in said image peripheral to said region of interest, comprising the steps of:

- a) obtaining a digital first image containing said region of interest, said region of interest represented by pixels having pixel values (see pages 11-4 to 11-5: specifying a regions of interest);
- b) defining a first closed curve forming a perimeter around said region of interest in said first image (see page 14-348, 3^{rd} paragraph: "BW = roipoly(I) display...add a vertex");
- c) creating a second image comprising a plurality of pixels, said second image having a boundary corresponding to at least a portion of said first image, wherein the first closed curve around said region of interest in said first image is represented in said second image as a matching second closed curve within said boundary in said second image (see page 14-348, 2^{nd} paragraph: "BW = roipoly(I,c,r) return the regions of interest...and 1's inside");

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d) assigning all pixels in said second image on said boundary and peripheral to said second closed curve with a first pixel value and assigning all pixels in said second image within the region bounded by said second closed curve a second pixel value (see page 14-348, 2^{nd} paragraph: "BW = roipoly(I,c,r) return the regions of interest...and 1's inside". Note 0's and 1's), and

e) saving said second image with the pixel values assigned as in step (d) as a mask, wherein application of said mask to said first image deletes areas peripheral to said region of interest and leaves pixel values for said region of interest undisturbed (see pages 11-7 to 11-8 together with page 14-346).

Regarding claim 2, the Guide further teaches wherein step b) is performed by the steps of displaying said first image on display of a general-purpose computer and defining said first closed curve by user interaction with said general-purpose computer using user interface devices provided by said general purpose computer (see description of "roipoly" in page 11-348 to page 11-349: note "Backspace", "Delete", "shift-click", "right-click", "double-click", "Return" in page 11-348; and "mouse" in page 11-349. Also refer to page 11-4 to page 11-5).

Regarding claim 3, this claim is also rejected for the same reasons as set forth in claim 2 above.

Regarding claim 4, the Guide further teaches wherein said first image comprises an image of a biological specimen (see page 14-343: note figures).

Regarding claim 5, the Guide teaches wherein said image comprises a magnified image (see page 3-26 to page 3-27: note zooming).

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Regarding claim 6, wherein said second image comprises a rectangular image and wherein the boundary of said rectangular image is dynamically varied substantially simultaneous with the defining of the first closed curve in said first image to thereby insure that said second image completely encompasses said first closed curve (see description of *roipoly* in page 14-348 to page 14-349).

Regarding claims 7-12, it is noted that these claims recite similar features that called for in claims 1-6. Therefore, claims 7-12 are also rejected for the same reasons as set forth in claims 1-6 above.

The advanced statements as applied to claims 1-12 above are incorporated. The Guide further teaches machine readable instruction (see MATLAB mentioned in page 3-26), workstation and processing unit (these features are inherently included in the Guide in order for MATLAB, mouse, zoom, delete, backspace,... to be functioned) as required by claim 13.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Example of the same of invention of image processing is USPN 5,790,690 to Doi et al.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duy M. Dang whose telephone number is 571-272-7389. The examiner can normally be reached on Monday to Friday from 6:00AM to 2:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew C. Bella can be reached on 571-272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

dmd 9/06

DUY M. DANG PRIMARY EXAMINER